

GROUND WATER SURVEY CONSULTANCY
GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

**GEO-PHYSICAL WELL
ELECTROLOGGING REPORT**

Ref No:-A-1304

Date:- 06-08-2023

NAME OF SITE

GRAM PANCHAYAT- Kheria Kishni Kham BLOCK- Usawan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

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ISO ; 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- KHERIA KISHNI KHAM, BLOCK- USAWAN, DISTT- BADAUN
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 138 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 06.Aug.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 7	2	Clay	
3.	7 - 16	9	Medium sand	
4.	16 - 22	6	Clay kankar	
5.	22 - 33	11	Medium sand	Medium
6.	33 - 46	13	Clay kankar	
7.	46 - 54*	8	Medium sand	Medium
8.	54 - 60	6	Clay kankar	
9.	60 - 70*	10	Medium sand	Medium
10.	70 - 105	35	Clay kankar	
11.	105 - 120*	15	Medium sand	Medium
12.	120 - 138	18	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tube well.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Rho a
 N16 (SPC)
 TNS4(LN)
 LAT

Logging Details
 Logging software used
 MAM-2000 (MAM-2000)
 Date of
 07/08/2023
 08 Aug 2023
 11:11
 UTMAR-0017A log

Logger S No
 IGIS/S/04/21-22

SP (m V)
 Logger Model
 DMPL-2

Logger Owned by
 GROUND WATER
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 - AGRA INDIA

